

Revisions				216695		A	
LAL	Rev.	Description	1	Chk	Date	Approved	
	A	ENGRG RELEASE			11-4-77	<i>R. Freeman</i>	

THIS DOCUMENT CONTAINS 13 SHEETS.

Dist Code SPG

<p>These drawings and specifications, and the data contained therein, are the exclusive property of Xerox Corporation and/or Rank Xerox, Ltd. issued in strict confidence and shall not, without the prior written permission of Xerox Corporation or Rank Xerox, Ltd., be reproduced, copied or used for any purpose whatsoever, except the manufacture of articles for Xerox Corporation or Rank Xerox, Ltd.</p>		Notes Unless Specified		Drawn <i>M. J. J. 11-2-77</i>	Xerox Corporation El Segundo, California		<b>XEROX</b>  Title <i>XM</i> ASSEMBLY, PRINTED WIRING- CONTROL BOARD (1K EXTN MEM)
		1. Tolerances .XX $\pm .03$ Angular $\pm \frac{1}{2}^\circ$ .XXX $\pm .010$		Check	Appr. <i>R. Freeman</i> 11-4-77		
		2. Break All Sharp Edges .010 Approx.		Material			
		3. Mach. Surfaces <input checked="" type="checkbox"/> 4. All Dim. in Inches					
I No. Use <b>ALTO II</b>	Finish	Code Ident.	Size	Dwg. No.	Change Letter		
Next Assy. First Use <b>216302</b>		<b>18338</b>	<b>A</b>	<b>216695</b>	<b>A</b>		
		Scale -	Do Not Scale Drawing		Sheet 1 OF		

NOTES: UNLESS OTHERWISE SPECIFIED

1. ASSEMBLE PER ALTO II MODULE SPEC, DWG NO. 216207.
2. THE FOLLOWING MODIFICATIONS ARE REQUIRED USING "B" REVISION PRINTED WIRING BOARDS.

- 1) CUT ETCH TO U10 PIN 4.
- 2) U36 PIN 1. (BOTH ETCH LINES).
- 3) U36 PIN 2.
- 4) U36 PIN 13.
- 5) U36 PIN 3.
- 6) CUT ETCH TO U41 PIN 1. (BOTH ETCH LINES).
- 7) ADD JUMPER FROM U36 PIN 1 TO U25 PIN 7.
- 8) U36 PIN 2 U25 PIN 5.
- 9) U36 PIN 3 U25 PIN 2.
- 10) U36 PIN 13 U25 PIN 10.
- 11) U36 PIN 5 U10 PIN 4.
- 12) U17 PIN 4 U7 PIN 3.
- 13) U7 PIN 4 U41 PIN 1.
- 14) U40 PIN 1 U43 PIN 1.
- 15) ADD JUMPER FROM U25 PIN 6 TO U38 PIN 10.
- 16) CUT ETCH BETWEEN PIN 109 AND FEEDTHRU UNDER U9. (ETCH SIDE).
- 17) PIN 108 FEEDTHRU. (ETCH SIDE).
- 18) PIN 107
- 19) PIN 106
- 20) PIN 105
- 21) PIN 62
- 22) CUT ETCH BETWEEN PIN 63 AND FEEDTHRU. (ETCH SIDE).
- 23) ADD JUMPER FROM U11 PIN 1 TO U11 PIN 2 TO U17 PIN 1.
- 24) U11 PIN 4 U11 PIN 5 U17 PIN 2
- 25) U11 PIN 11 U11 PIN 12 U17 PIN 3.
- 26) U11 PIN 14 U11 PIN 15 TO U17 PIN 5.
- 27) U11 PIN 7 U11 PIN 8.
- 28) U11 PIN 3 PIN 105.
- 29) U11 PIN 6 PIN 106.
- 30) U11 PIN 10 PIN 107.
- 31) U11 PIN 13 PIN 108.
- 32) ADD JUMPER FROM U16 PIN 15 TO PIN 109.
- 33) INSTALL MICROCIRCUIT 74S00 IN LOCATION U11 PINS 1-7 & 10-16.

3 RUBBER STAMP "1K EXTN MEM." .12 HIGH, WHITE CHARACTERS.

4 RUBBER STAMP "ASSY 216695" .12 HIGH, WHITE CHARACTERS.

These drawings and specifications, and the data contained therein, are the exclusive property of Xerox Corporation and/or Rank Xerox, Ltd. issued in strict confidence and shall not, without the prior written permission of Xerox Corporation or Rank Xerox, Ltd., be reproduced, copied or used for any purpose whatsoever, except the manufacture of articles for Xerox Corporation or Rank Xerox, Ltd.

Title  
ASSY, PRINTED WIRING-  
CONTROL BOARD  
(1K EXTN MEM.)

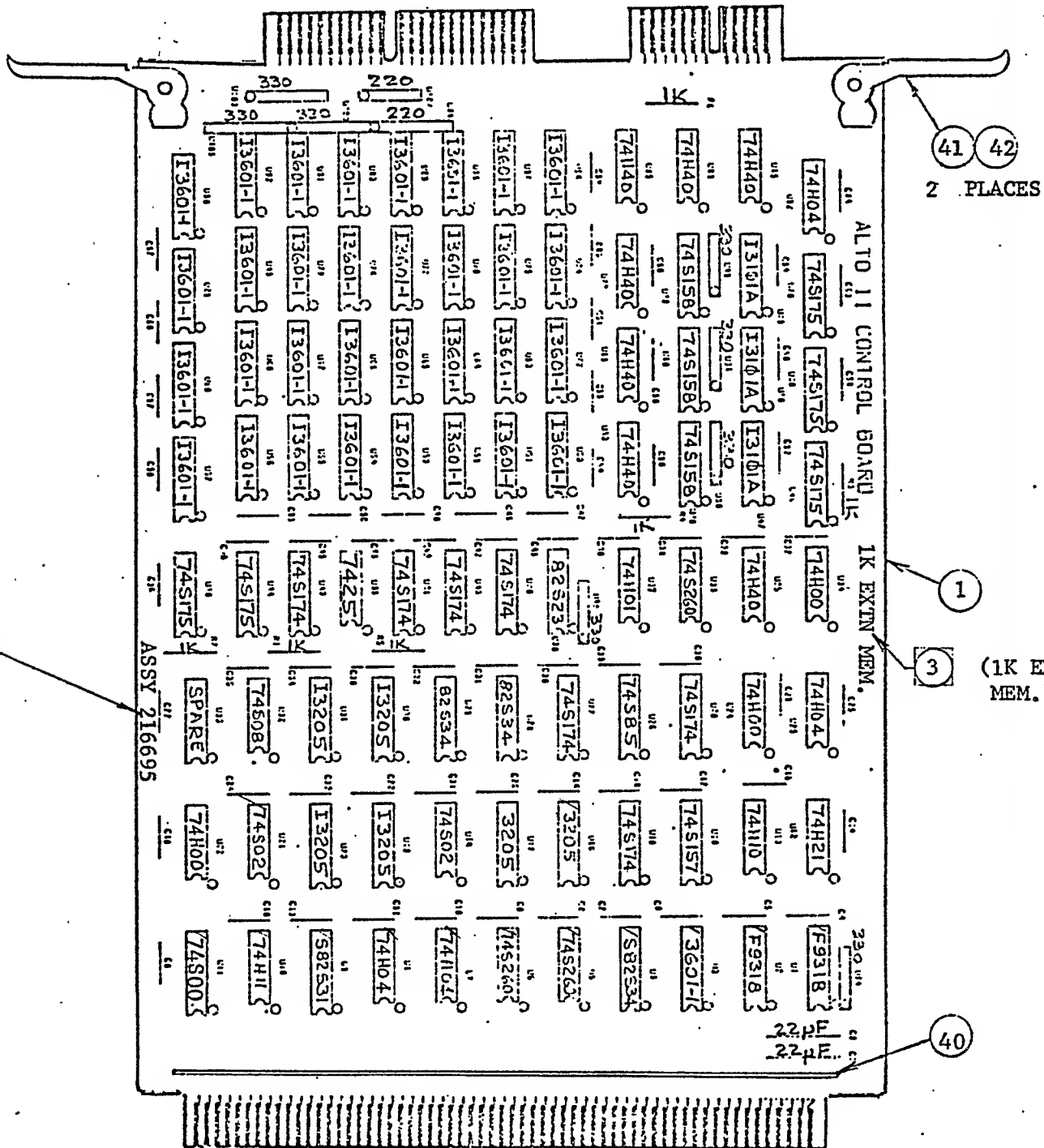
Xerox Corporation  
El Segundo, California

**XEROX**

216695

A

Sheet 2 Of



drawings and specifications, and the data contained therein, are the exclusive property of Xerox Corporation and/or Rank Xerox, Ltd. issued in strict confidence and shall not, without the prior written permission of Xerox Corporation or Rank Xerox, Ltd., be reproduced, copied or used for any purpose whatsoever, except the manufacture of articles for Xerox Corporation or Rank Xerox, Ltd.

Title  
 ASSY, P.W.-  
 CONTROL BOARD  
 (1K EXTENDED MEMORY)

Xerox Corporation El Segundo, California	
216695	A
Sheet 3	Of

Material List

Drawing Title		Model No.		Date		Sheet	
ASSEMBLY, PRINTED WIRING-- CONTROL BOARD (1K EXTN MEM.)		EWO 7YF92		3/5/76		4 of	
Item No.	Drawing Title	Drawing No.	No. Req.	Remarks			
1	Board, Printed Wiring- Control Board	216375	1				
2	Procedure, Test	216374	REF				
3	Spec, Module Assembly	216207	REF				
4	Microcircuit, 74S00		1	U11			
5	Microcircuit, 74H00		3	U22,24,34			
6	74H01		1	U37			
7	74S02		2	U18,21			
8	74H04		4	U7,8,23,82			
9	74S08		1	U32			
10	74H10		1	U13			
11	74H11		1	U10			
12	74H21		1	U12			
13	74H40		7	U35,49,60,73,83,84,85			
14	74S85		1	U26			
15	74S157		1	U14			
16	74S158		3	U48,60,72			
17	74S174		7	U15,25,27,39,40,41,43			
18	74S175		5	U44,45,46,58,70			
19	74S260		3	U5,6,36			
20	I3101A Intel		3	U47,59,71			
21	I3205 Intel		6	U16,17,19,20,30,31			
22	I3601-1 Intel		33	U3,50-57,62-69,74-81,			
23				86-93,			
24	7425		1	U42			
25	82S23 Signetic		1	U38			
26	82S31 Signetic		1	U9			
27	82S34 Signetic		3	U4,28,29			
28	Microcircuit, F9318 Fairchild		2	U1,2			
29							
30							
31	Capacitor, .01µF, 50V	188483-002	70	C3-72			
32	Capacitor, 22µF, 15V, Tant.	187720-005	2	C1,2			

ML	Drawing No. 216695	Rev. A
----	-----------------------	-----------

These drawings and specifications, and the data contained therein, are the exclusive property of Xerox Corporation and/or Rank Xerox, Ltd. issued in strict confidence and shall not, without the prior written permission of Xerox Corporation or Rank Xerox, Ltd., be reproduced, copied or used for any purpose whatsoever, except the manufacture of articles for Xerox Corporation or Rank Xerox, Ltd.

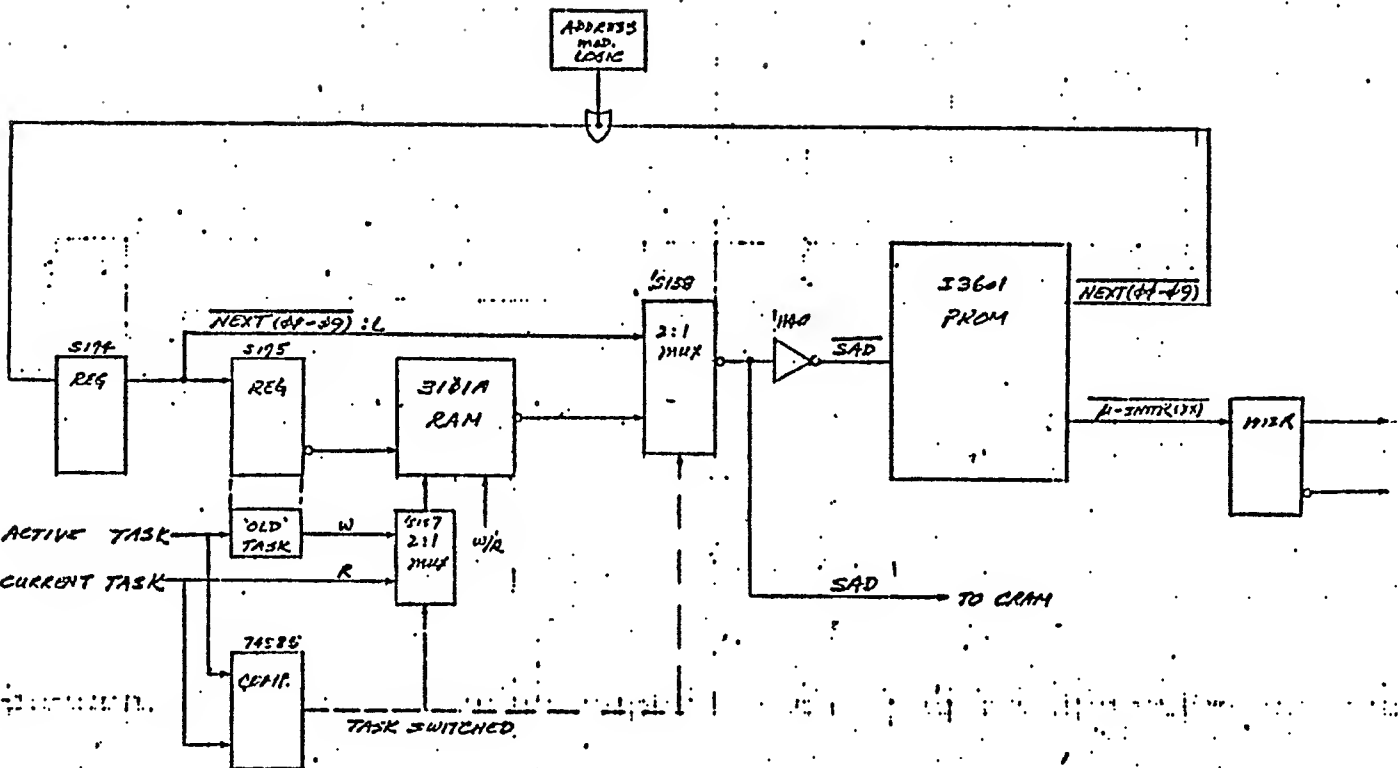
CONTROL BOARD (1K EXTN MEM.)

Model No. EWO 7YF92

Date 3/8/76

Sheet	5	of
-------	---	----

[illegible]



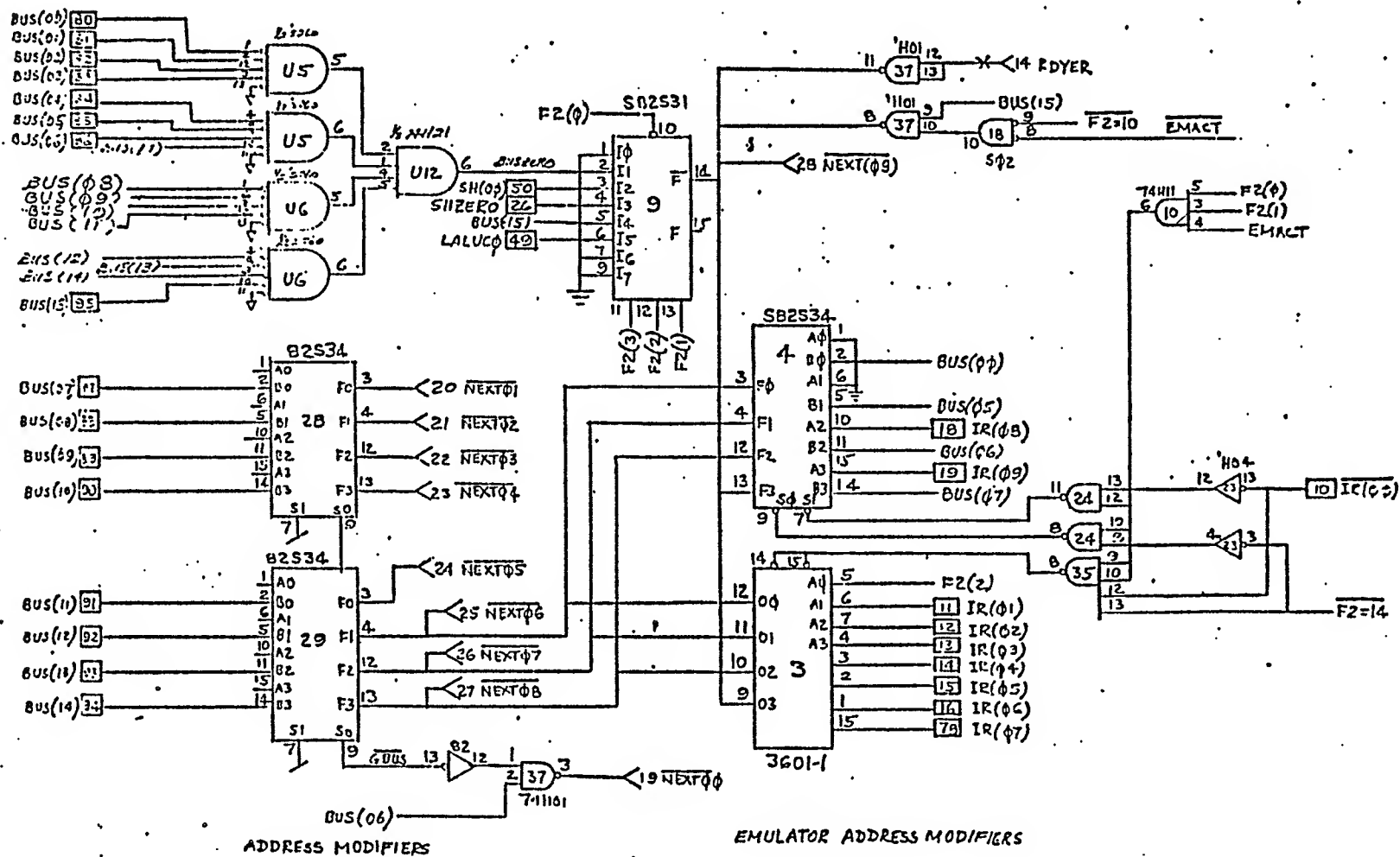
The drawings and specifications and the data contained therein, are the exclusive property of Xerox Corporation and/or Rank Xerox, Ltd. issued in strict confidence and shall not, without the prior written permission of Xerox Corporation or Rank Xerox Corporation, be reproduced, copied or used for any purpose whatsoever, except the manufacture of articles for Xerox Corporation or Rank Xerox, Ltd.

Table  
ASSEMBLY, P.W.-  
CONTROL BOARD  
(1K EXTN MEM.)

Xerox Corporation  
El Segundo, California

XEROX

Shred 7 (C)



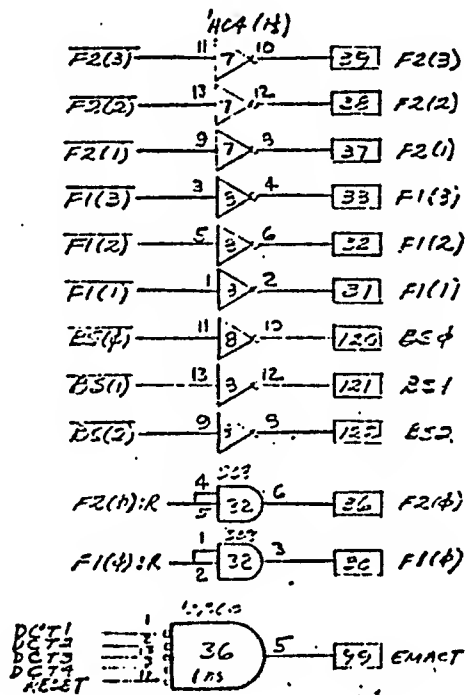
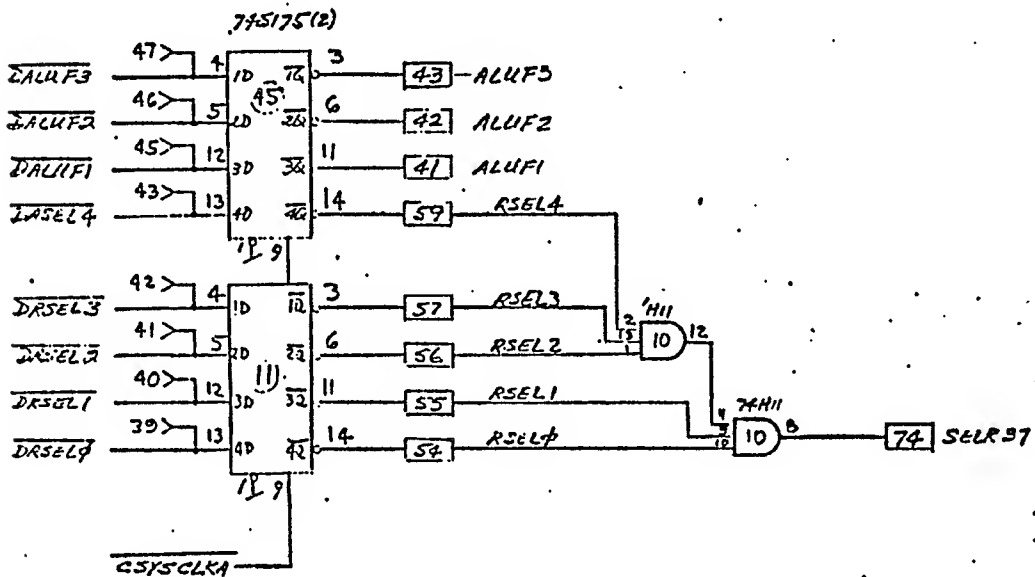
Title : ASSEMBLY, P.W.-  
CONTROL BOARD  
(1K EXTN MEM.)

Xerox Corporation

216695

A

XEROX





These drawings and specifications, and the data contained therein, are the exclusive property of Xerox Corporation and/or Rank Xerox, Ltd. issued in strict confidence and shall not, without the prior written permission of Xerox Corporation or Rank Xerox, Ltd., be reproduced, copied or used for any purpose whatsoever, except the manufacture of articles for Xerox Corporation or Rank Xerox, Ltd.

Title

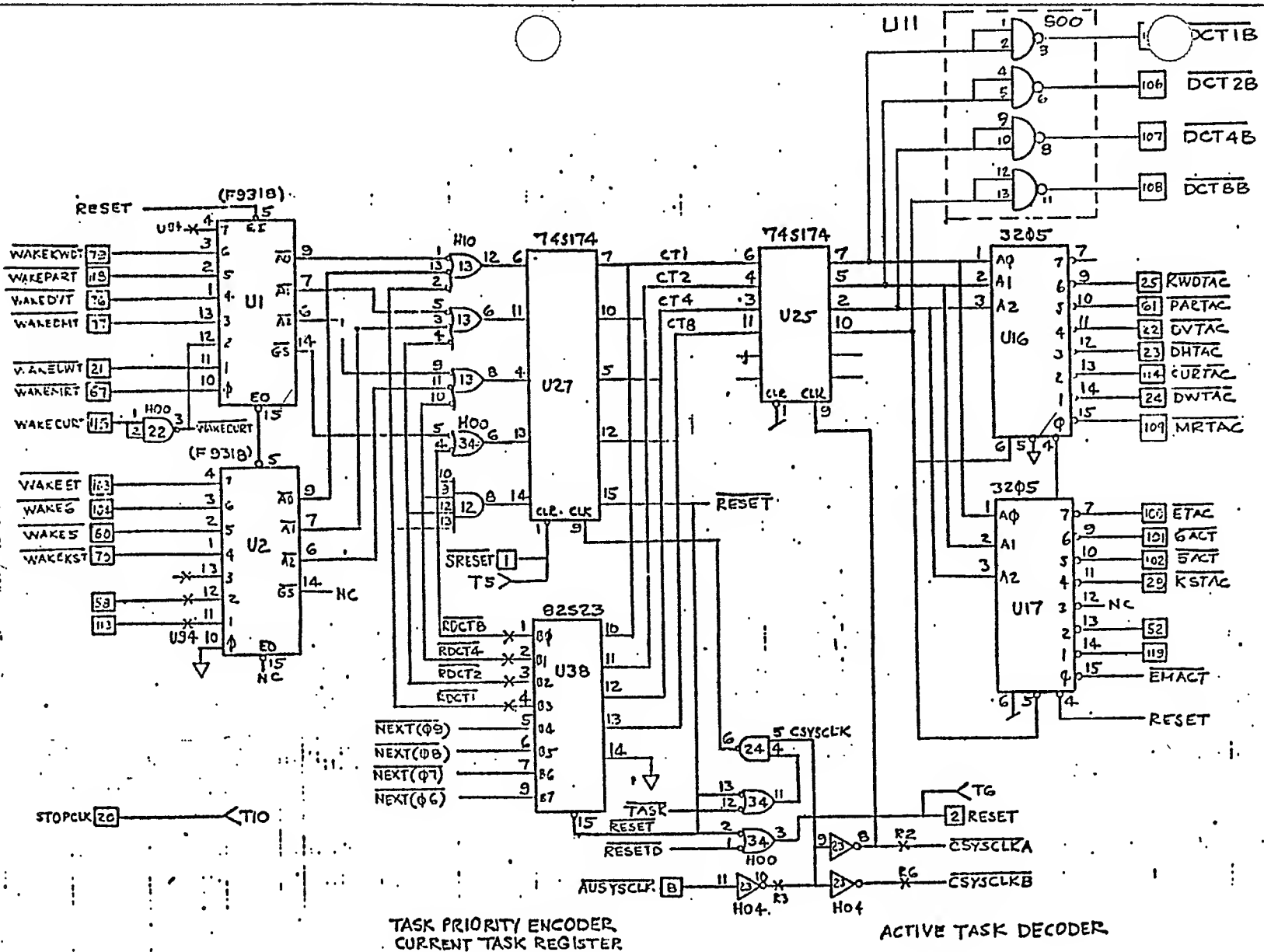
# ASSEMBLY, P.W. CONTROL BOARD (1K EXTN MEM.)

Xerox Corporation  
El Segundo, California

**XEROX**

216695

Sheet 9 of 01



TASK PRIORITY ENCODER  
CURRENT TASK REGISTER

ACTIVE TASK DECODER

drawings and specifications, and the data contained therein, are the exclusive property of Xerox Corporation and/or Rank Xerox, Ltd. issued in strict confidence and shall not, without the prior written permission of Xerox Corporation or Rank Xerox, Ltd., be reproduced, copied or used for any purpose whatsoever, except the manufacture of articles for Xerox Corporation or Rank Xerox, Ltd.

Title

# ASSEMBLY, P.W.- CONTROL BOARD (1K EXTN MEM.)

Xerox Corporation  
El Segundo, California

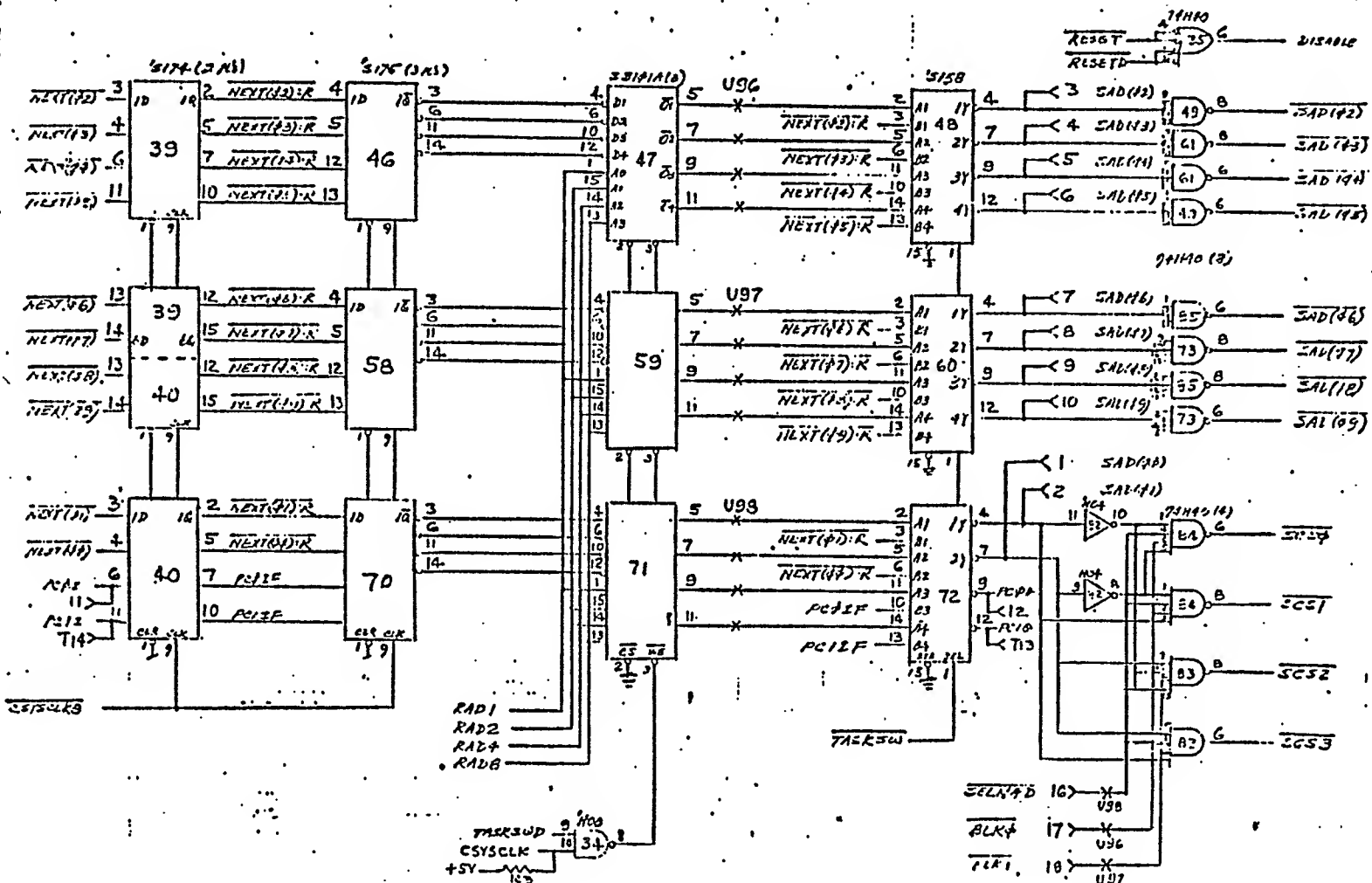
## XEROX

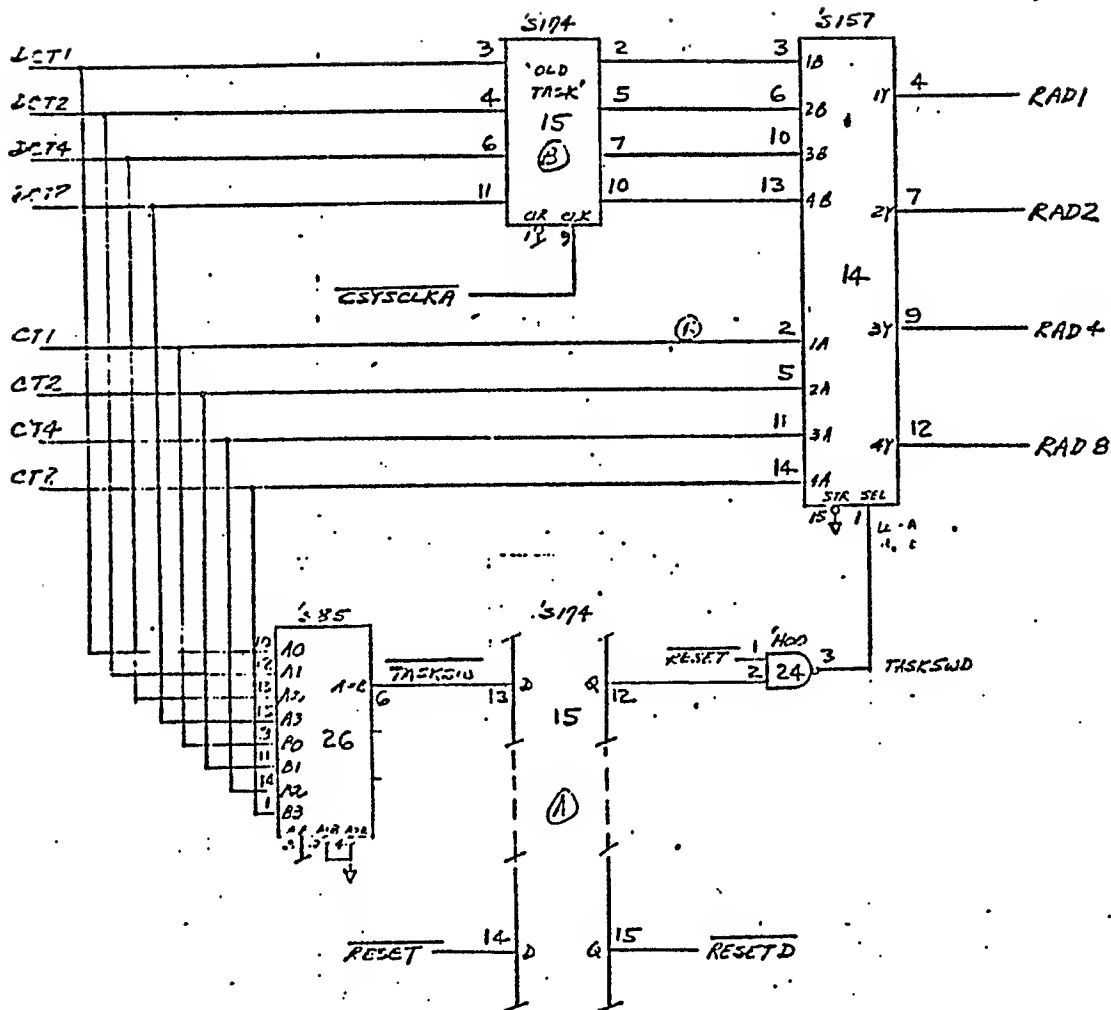
216695

A

Sheet

10





These drawings and specifications, and the data contained therein, are the exclusive property of Xerox Corporation and/or Rank Xerox, Ltd. issued in strict confidence and shall not, without the prior written permission of Xerox Corporation or Rank Xerox, Ltd., be reproduced, copied or used for any purpose whatsoever, except the manufacture of articles for Xerox Corporation or Rank Xerox, Ltd.

Title  
ASSEMBLY, P.W.-  
CONTROL BOARD  
(1K EXTN MEM.)

Xerox Corporation  
El Segundo, California

XEROX

216695

A

Sheet

11 of

drawings and specifications, and the data contained therein, are the exclusive property of Xerox Corporation and/or Rank Xerox, Ltd. issued in strict confidence and shall not, without the prior written permission of Xerox Corporation or Rank Xerox, Ltd., be reproduced, copied or used for any purpose whatsoever, except the manufacture of articles for Xerox Corporation or Rank Xerox, Ltd.

Title

ASSEMBLY, P.W.-  
CONTROL BOARD  
(1K EXTN MEM.)

Xerox Corporation  
El Segundo, California

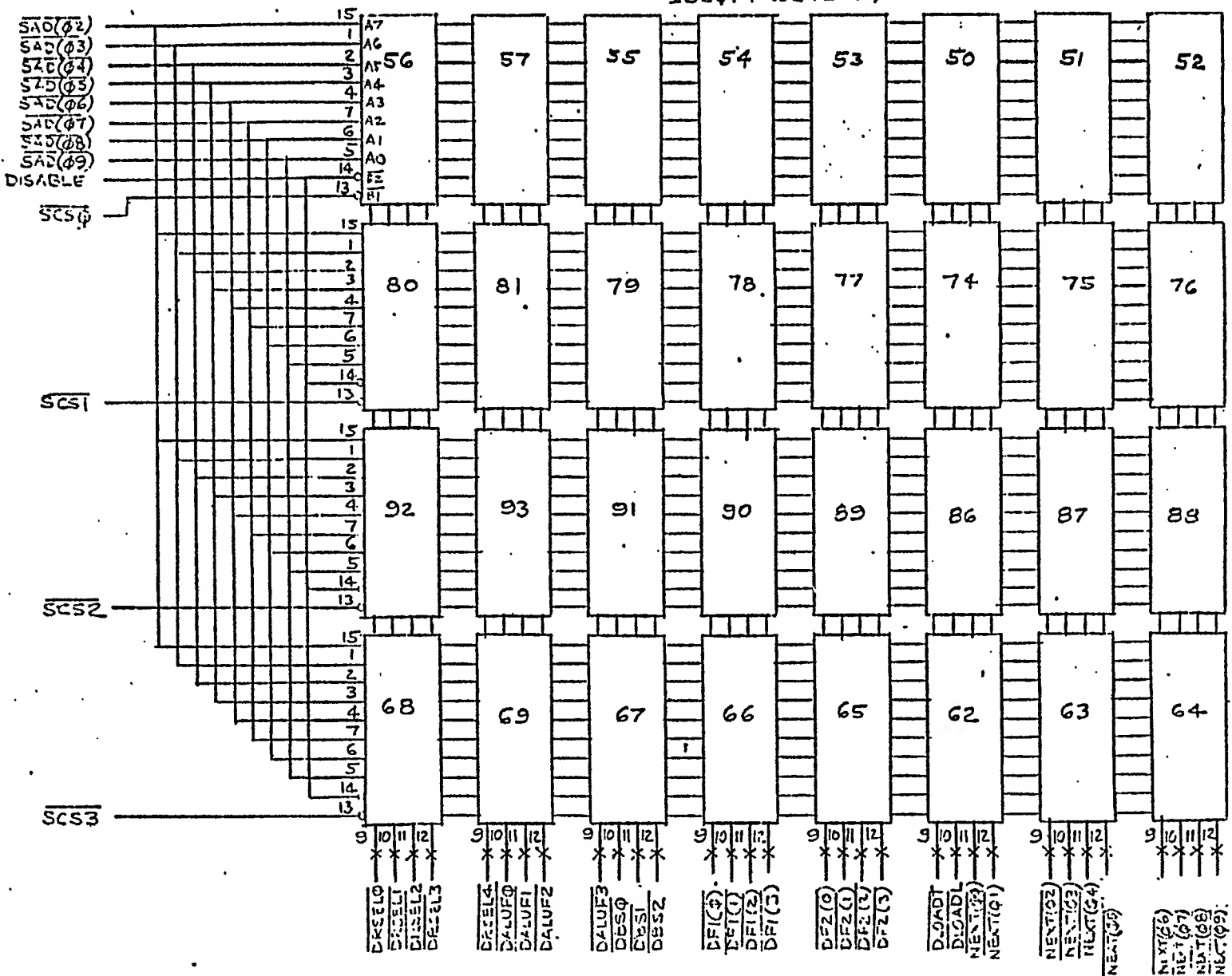
**XEROX**

216695

A.

Sheet 12 of 01

I36Φ1-1 (32 PLACES)



Φ- 377

400-777

1000-1377

1400-1777

Drawings and specifications, and the data contained therein, are the exclusive property of Xerox Corporation and/or Rank Xerox, Ltd. issued in strict confidence and shall not, without the prior written permission of Xerox Corporation or Rank Xerox, Ltd., be reproduced, copied or used for any purpose whatsoever, except the manufacture of articles for Xerox Corporation or Rank Xerox, Ltd.

Title

# ASSEMBLY, P.W.- CONTROL BOARD (1K EXTN MEM.)

Xerox Corporation  
El Segundo, California

# XEROX

Sheet 13 of

216695

7A

